

D R A F T

NATIONAL INTELLIGENCE REQUIREMENTS - RUSSIA (SCIENTIFIC)

I

1. The following National Intelligence Requirements are announced as a guide to the scientific intelligence pertaining to the USSR, which when met, would satisfy the current essentials of national intelligence. These objectives are to be regarded as the basis upon which current scientific intelligence production could be fully coordinated among the appropriate offices of OIC and the intelligence agencies, and in order that all intelligence operations could be properly integrated to produce the desired current essentials of national intelligence for the national security.

2. The formulations in this section are designed to produce intelligence which will aid in judging the success of United States policies. Until such time that this guide is modified, revised, or revoked, continuous intelligence is desired on the following listed subjects, as individual items, analytical reports, and compilations:

a. Current status in scientific research as applied specifically to the following fields (stated in order of priority):

- (1) Nuclear physics;
- (2) Guided missiles;
- (3) Biology (with warfare implications);
- (4) Chemistry (with warfare implications);
- (5) Medicine (including surgery);
- (6) Meteorology;
- (7) Electronics.

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b. Capabilities and intentions in scientific research, considering wartime expansion and reconversion to peace, acquisition of resources from Germany or other sources, and the demands of a peacetime economy.

(1) Broad plans, programs, and intentions for scientific research with direct and indirect implications on:

(a) Internal national development and defense policy;

(b) External international aggressive foreign and military policy.

(2) Specific scientific programs and capabilities to achieve objectives of a five or ten year program.

(3) Specific military implication, of achievement or failure of the research program, towards the United States.

## II

### ANALYSIS OF REQUIREMENTS

(Consider Pertinent State, Army, and Navy Directives for Reporting Details)

#### 1. ORGANIZATION AND CAPABILITIES FOR SCIENTIFIC RESEARCH.

(All items below should be considered for each field of research, and also, should be applied for each specialized subject in the numbered paragraphs following.)

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- a. Administrative organization and political position of scientific and research organizations.
  - b. Location and arrangement of scientific and research agencies, laboratories, testing and proving grounds.
  - c. Types, quantity, and description of research equipment.
  - d. Financial budgets as allotted to specific types of research or agencies.
  - e. Scientific personnel, their political and social activities, professional competence, membership in scientific organizations, compensation (monetary and other stipend).
  - f. Scientific activities of nationals or agencies in other countries, e.g., in Germany, Austria, and satellite countries which may, or do, contribute to support of USSR scientific research and development.
  - g. Publication of scientific documents, books, and periodicals, to include a systematic collection of these items.
  - h. Utilization of German, Austrian, and satellite countries' scientific resources (personnel and equipment).
2. NUCLEAR PHYSICS
- a. Present status of research on the use of nuclear energy for industrial and military purposes.
  - b. Consider State, Army, and Navy directives to report details of additional items on nuclear physics.

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3. GUIDED MISSILES.

a. Emphasize collection of information concerning research on guidance problems.

b. Polar Expeditions.

(1) Publically expressed objective of any proposed polar expedition; compare public information with information obtained from other sources.

(2) Details of organization, on departure and return of expedition, such as date, port of departure and return, personnel, vessels (number and type), and equipment. Compare differences in departure and return of personnel and equipment.

(3) Communications with expedition after departure from Russia.

(4) Results of expedition (possible intermediate guiding stations for guided missiles).

c. Consider Army and Navy directives to report details of additional items on guided missiles.

4. BIOLOGY (with warfare implications).

a. Consider Army and Navy directives to report details on above subject.

5. CHEMISTRY (with warfare implications).

a. Consider Army and Navy directives to report details on above subject.

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6. MEDICINE (including surgery).

a. Present status of, and projected program for, research related to preventive medicine, particularly for promoting health, and increasing productivity and longevity.

b. Consider State, Army, and Navy directives to report details on medicine.

7. METEOROLOGY.

a. Present status of, and projected program for, research related to long-range meteorology.

b. Consider State, Army, and Navy directives to report details on meteorology.

8. ELECTRONICS

a. Consider Army and Navy directives to report details on electronics.